

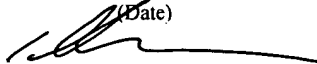
1636  
UFL



UC081.001A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Gatti et al.	)	Group Art Unit: 1636.
			)	
Appl. No.	:	10/042,775	)	I hereby certify that this correspondence
			)	and all marked attachments are being
Filed	:	January 8, 2002	)	deposited with the United States Postal
			)	Service as first-class mail in an envelope
For	:	EXPRESSION AND	)	addressed to: Commissioner for Patents,
		PURIFICATION OF ATM	)	PO Box 1450, Alexandria, VA 22313-
		PROTEIN USING VACCINIA	)	1450, on
		VIRUS	)	
			)	November 22, 2005
			)	(Date)
			)	
			)	Erik T. Anderson, Reg. No. 52,559
Examiner	:	Marvich, Maria	)	
			)	

TRANSMITTAL

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:


- (X) Copy of a Notice to File Corrected Application Papers.
- (X) Response to Notice to File Corrected Application Papers.
- (X) Copy of Form PTO-1449.
- (X) Return prepaid postcard.

**Appl. No.** : **10/042,775**  
**Filed** : **January 8, 2002**

(X) The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment, to Account No. 11-1410.

Respectfully submitted,  
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 11/22/05

By:   
Erik T. Anderson  
Registration No. 52,559  
Attorney of Record  
2040 Main Street, Fourteenth Floor  
Irvine, CA 92614  
(619)235-8550

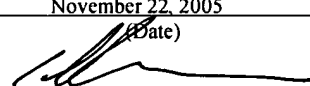
2081811\112105\lvo

UC081.001A



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant	:	Gatti et al.	)	Group Art Unit: 1636
			)	
Appl. No.	:	10/042,775	)	I hereby certify that this correspondence
			)	and all marked attachments are being
Filed	:	January 8, 2002	)	deposited with the United States Postal
			)	Service as first-class mail in an envelope
For	:	EXPRESSION AND	)	addressed to: Commissioner for Patents,
		PURIFICATION OF ATM	)	PO Box 1450, Alexandria, VA 22313-
		PROTEIN USING VACCINIA	)	1450, on
		VIRUS	)	
			)	November 22, 2005
			)	(Date)
			)	
Examiner	:	Marvich, Maria	)	Erik T. Anderson, Reg. No. 52,559
			)	

**RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS**

**Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450**

Dear Sir:

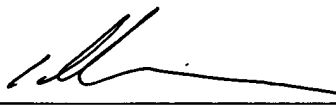
The Applicants hereby respond to the Office Action mailed on November 8, 2005 by enclosing a copy of Form PTO-1449 for the above-identified case. The Applicants respectfully submit that the enclosed copy is sufficiently legible to satisfy the requirements of the Patent Office, and that it therefore corrects the informality identified by the Publishing Division.

**Appl. No.** : 10/042,775  
**Filed** : January 8, 2002

If the Examiner has any questions which may be answered by telephone, she is invited to call the undersigned directly.

Respectfully submitted,  
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 11/22/05

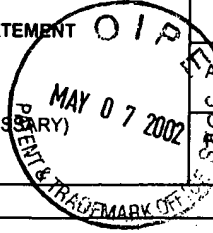
By:   
Erik T. Anderson  
Registration No. 52,559  
Attorney of Record  
2040 Main Street, Fourteenth Floor  
Irvine, CA 92614  
(619)235-8550

2081764\112105\lvo



revised copy

NOV 28 2005 FORM PTO-1449 PATENT & TRADEMARK OFFICE		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. UC081.001A	APPLICATION NO. 10/042,775
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			RECEIVED MAY 10 2002	
(USE SEVERAL SHEETS IF NECESSARY)			APPLICANT Gatti et al.	TECH CENTER 1600/2900
			FILING DATE January 8, 2002	
			GROUP 1645	



COPY

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
WMM	1	5,858,661	01/12/99	Shiloh			
WMM	2	5,955,279	09/21/99	Gatti et al.			
WMM	3	6,211,336	04/03/01	Shiloh et al.			
WMM	4	6,265,158	07/24/01	Shiloh			

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
WMM	5	S. Banin, L. Moyal, S.-Y. Shieh, Y. Taya, C.W. Anderson, L. Chessa, N.I. Smorodinsky, C. Prives, Y. Reiss, Y. Shiloh, Y. Ziv (1998) Enhanced Phosphorylation of p53 by ATM in Response to DNA Damage, <i>Science</i> , <b>281</b> :1674-1677.
WMM	6	C.E. Canman, D. Lim, K.A. Cimprich, Y. Taya, K. Tamai, K. Sakaguchi, E. Appella, M. B. Kastan, J.D. Siliciano (1998) Activation of the ATM Kinase by Ionizing Radiation and Phosphorylation of p53, <i>Science</i> , <b>281</b> :1677-1679.
WMM	7	D.W. Chan, S.-C. Son, W. Block, R. Ye, K.K. Khanna, M.S. Wold, P. Douglas, A.A. Goodarzi, J. Pelley, Y. Taya, M.F. Lavin, S.P. Lees-Miller (2000) Purification and Characterization of ATM from Human Placenta, <i>Journal of Biological Chemistry</i> , <b>275</b> :7803-7810.
WMM	8	R. A. Gatti (2001) Ataxia-Telangiectasia, Ch. 29, in, <i>Metabolic and Molecular Bases of Inherited Disease</i> , 8 <sup>th</sup> Ed., Scriver et al. Eds, pages 705-732
WMM	9	M. Platzer, G. Rotman, D. Bauer, T. Uziel, K. Savitsky, A. Bar-Shira, S. Gilad, Y. Shiloh, A. Rosenthal (1997) Ataxia-Telangiectasia Locus: Sequence Analysis of 184 kb of Human Genomic DNA Containing the Entire ATM Gene, <i>Genome Research</i> <b>7</b> :592-605.
WMM	10	N. Rhodes, T. M. Gilmer, T. J. Lansing, (2001) Expression and Purification of Active Recombinant ATM Protein from Transiently Transfected Mammalian Cells, <i>Protein Expression and Purification</i> <b>22</b> :462-466.
WMM	11	K. Savitsky, S. Sfez, D.A. Tagle, Y. Ziv, A. Sartieli, F.S. Collins, Y. Shiloh, G. Rotman (1995) The Complete Sequence of the Coding Region of the ATM Gene Reveals Similarity to Cell Cycle Regulators in Different Species, <i>Human Molecular Genetics</i> <b>4</b> :2025-2032.
WMM	12	S.P. Scott, N. Zhang, K.K. Khanna, A. Khromykh, K. Hobson, D. Watters, M. F. Lavin (1998) Cloning and Expression of the Ataxia-Telangiectasia Gene in Baculovirus, <i>Biochemical and Biophysical Research Communications</i> <b>245</b> :144-148, Article No. RC 988137.
WMM	13	T. Shafman, K.K. Khanna, P. Kedar, K. Spring, S. Kozlov, T. Yen, K. Hobson, M. Gatei, N. Zhang, D. Watters, M. Egerton, J. Shiloh, S. Kharbanda, D. Kufe, M. F. Lavin, (1997) Interaction Between ATM Protein and c-Abl in Response to DNA Damage, <i>Nature</i> <b>387</b> :520-523.
WMM	14	G. C. M. Smith, R. B. Cary, N.D. Lakin, B.C. Hann, S.H. Teo, D.J. Chen, S. P. Jackson (1999) Purification and DNA Binding Properties of the Ataxia-Telangiectasia Gene Product ATM, <i>Proc. Natl. Acad. Sci. (USA)</i> <b>96</b> :11134-11139.
WMM	15	Y. Ziv, A. Bar-Shira, I. Pecker, P. Russell, T. J. Jorgensen, I. Tsarfati, Y. Shiloh, (1997) Recombinant ATM protein Complements the Cellular A-T Phenotype, <i>Oncogene</i> <b>15</b> :159-167.
WMM	16	GenBank Accession U82828, Homo Sapiens Ataxia Telangiectasia (ATM) Gene, complete cds. August 7, 1997.
WMM	17	GenBank Accession U33841, Human Ataxia Telangiectasia (ATM) mRNA, complete cds. November 29, 1995.

S:\DOCS\DOP\DOP-2118.DOC\041602

EXAMINER	WMM	DATE CONSIDERED	12/19/02
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			



UNITED STATES PATENT AND TRADEMARK OFFICE

COPY

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/042,775	01/08/2002	Richard A. Gatti	UC081.001 A	5310
20995	7590	11/08/2005	EXAMINER	
KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614			MARVICH, MARIA	
			ART UNIT	PAPER NUMBER
			1636	

DATE MAILED: 11/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



**UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Serial Number  
10042775

Date Mailed  
11/08/05

**NOTICE TO FILE CORRECTED APPLICATION PAPERS**

**Notice of Allowance Mailed**

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given 30 days from the mail date of this Notice within which to correct the informalities indicated below. A failure to reply will result in the application being ABANDONED. This period for reply is NOT extendable under 37 CFR 1.136 (a) or (b).

- 1449 is illegible.

**APPLICANT MUST SUPPLY MISSING INFORMATION WITHIN 30 DAYS OF THE MAIL DATE OF THIS NOTICE.**

A copy of this notice **MUST** be returned with the reply. Please address response to Commissioner for Patents P.O. Box 1450  
Alexandria, VA 22313-1450

Rori Burch  
USPTO  
Publishing Division  
Fax (703) 746-6830  
Fax (703) 308-6642  
703-305-0333 ext.135 (V)

BEST AVAILABLE COPY